AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A computer program product, tangibly embodied in an information carrier, for developing an application, the computer program product being operable to cause data processing apparatus to:

receive a first ~~data~~ model in a first language, the ~~data~~ first model ~~being used to~~ defining ~~structure~~ development objects representing building blocks for developing the application;

generate a set of intermediate objects ~~based on~~ using the first ~~data~~ model; and

~~based on the set of intermediate objects and a code template,~~ generate an API using the set of intermediate objects as inputs, wherein the API enables accessing ~~to access~~ the development objects.

2. (Currently Amended) The computer program product of claim 1, further comprising instructions to convert the first ~~data~~ model to a second ~~data~~ model in a second language, wherein the set of intermediate objects is generated using ~~based on~~ the second ~~data~~ model.

3. (Original) The computer program product of claim 2, wherein the second language comprises XML.

4. (Original) The computer program product of claim 1, wherein the first language comprises UML.

5. (Original) The computer program product of claim 1, wherein the set of intermediate objects comprises Java objects.

6. (Original) The computer program product of claim 1, wherein the first language comprises a customizable extension.

7. (Previously Presented) The computer program product of claim 6, wherein the customizable extension is used to implement an additional feature of the API.

8. (Previously Presented) The computer program product of claim 7, wherein the additional feature comprises an indication of a file border.

9. (Original) The computer program product of claim 1, wherein the API comprises a copy and paste operation.

10. (Currently Amended) A computer program product, tangibly embodied in an information carrier, for developing an application, the computer program product being operable to cause data processing apparatus to:

receive a first ~~data~~ model in a first language, the ~~data~~ first model ~~being used to~~ defining ~~structure~~ development objects representing building blocks for developing the application;

generate a set of intermediate objects using ~~based on~~ the first ~~data~~ model; and

~~based on the set of intermediate objects and a schema template,~~ generate an XML schema using the set of intermediate objects as inputs, wherein the XML schema enables implementing ~~used to implement~~ the development objects.

11. (Currently Amended) The computer program product of claim 10, further comprising instructions to convert the first ~~data~~ model to a second ~~data~~ model in a second language, wherein the set of intermediate objects is generated using ~~based on~~ the second ~~data~~ model.

12. (Original) The computer program product of claim 11, wherein the second language comprises XML.

13. (Original) The computer program product of claim 10, wherein the first language comprises UML.

14. (Original) The computer program product of claim 10, wherein the set of intermediate objects comprises Java objects.

15. (Currently Amended) The computer program product of claim 10, wherein the XML schema includes a tree based on aggregation relationships in the first ~~data~~ model.

16. (Currently Amended) The computer program product of claim 10, wherein the XML schema includes a reference based on an association relationship in the first ~~data~~ model.

17. (Currently Amended) The computer program product of claim 10, wherein the XML schema includes a complex type extension based on an inheritance relationship in the first ~~data~~ model.

18. (Currently Amended) A computer program product, tangibly embodied in an information carrier, for developing an application, the computer program product being operable to

cause data processing apparatus to: receive a first ~~data~~ model;

derive an API based on the ~~data~~ model; and

use the API to perform operations on a development object representing a building block for developing the application.

19. (Original) The computer program product of claim 18, wherein the API comprises an interface layer, a proxy layer, and a state layer.

20. (Previously Presented) The computer program product of claim 18, wherein the operations comprise:

creating a new development object as a transient object without an existing corresponding file; and

modifying the transient object until the transient object is committed to a persistent file.

21. (Previously Presented) The computer program product of claim 20, further comprising instructions to destroy the transient object if a delete command is requested before the transient object is committed to a persistent file.

22. (Previously Presented) The computer program product of claim 20, further comprising instructions to mark the persistent file as deleted if a delete command is requested after the transient object is committed to a persistent file.